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IN THE CLAIMS

Please amend the claims to read as follows:

Listing of Claims

1-10 (Canceled).

11. (Currently amended) A radio transmission apparatus comprising:

an interleaver that performs interleaving of input data including a plurality of bits to generate interleaved data; a rate matcher that comprises a repeater and a puncturer performs adjustment of a data length of said interleaved data by increasing or decreasing the bits in the interleaved data to provide data length adjusted data, wherein said rate matcher alternatively selects between (i) employing said repeater to repeat a part of said bits interleaved by said interleaver and (ii) employing said puncturer to puncture a part of the bits interleaved by said interleaver, and a transmitter that transmits the data length adjusted data adjusted by said rate matcher.

12. (Currently amended) The radio transmission apparatus according to claim 11, further comprising a coder that performs error correction coding of said input data to provide error correction coded data, wherein, after said error correction coding by said coder, said interleaver performs the interleaving

of the error correction coded data prior to said adjustment by said rate matcher.

13. (Currently amended) The radio transmission apparatus according to claim 11, wherein said rate matcher increases or decreases repeat and said puncture of the part of the bits in the interleaved data are performed at regular intervals to provide said data length adjusted data.

14. (Currently amended) A radio reception apparatus comprising:

a receiver that receives data including a plurality of bits and transmitted from the radio transmission apparatus of claim 13 22;

a second rate matcher that comprises a second repeater and a second puncturer performs data length adjustment by increasing bits decreased in said radio transmission apparatus or decreasing bits increased in said radio transmission apparatus to provide data length adjusted data, wherein said second rate matcher alternatively selects between (i) employing said second repeater to increase bits punctured by said puncturer of said radio transmission apparatus and (ii) employing said second puncturer to puncture bits repeated by said repeater of said radio transmission apparatus; and

a deinterleaver that performs deinterleaving of the data length adjusted data including bits provided by said rate matcher of said radio reception apparatus, in accordance with the interleaving performed in said radio transmission apparatus.

15. (Currently amended) A communication terminal apparatus comprising the radio transmission apparatus of claim 11 22.

16. (Previously presented) A communication terminal apparatus comprising the radio reception apparatus of claim 14.

17. (Currently amended) A base station apparatus comprising the radio transmission apparatus of claim 11 22.

18. (Currently amended) A communication terminal base station apparatus comprising the radio reception apparatus of claim 14.

19. (Currently amended) A radio transmission method comprising:

(a) performing interleaving of input data including a plurality of bits to generate interleaved data;

(b) performing adjustment of a data length of said interleaved data by increasing or decreasing the bits in the interleaved data to provide data length adjusted data employing a rate matcher that comprises a repeater and a puncturer adjustment of a data length of said interleaved data to provide data length adjusted data to alternatively select between (i) using said repeater to repeat a part of bits interleaved in step (a) and (ii) using said puncturer to puncture a part of the bits interleaved in step (a); and

(c) transmitting the data length adjusted data adjusted including bits provided by said rate matcher in step (b).

20. (Currently amended) A radio reception method comprising:

(a) receiving data including a plurality of bits and transmitted from a radio transmission apparatus employing by the radio transmission method of claim 19;

(b) performing data length adjustment by increasing bits decreased in said radio transmission apparatus or decreasing bits increased in said radio transmission apparatus to provide data length adjusted data employing a second rate matcher that comprises a second repeater and a second puncturer data length adjustment to provide data length adjusted data to alternatively select between (i) using said second repeater to repeat bits

punctured by said puncturer employed in said radio transmission method and (ii) using said second puncturer to puncture bits repeated by said repeater employed in said radio transmission method; and

(c) performing deinterleaving of the data length-adjusted data including bits provided by said second rate matcher in step (b), in accordance with the interleaving performed in said radio transmission apparatus.

21. (New) The radio transmission apparatus according to claim 11, wherein said rate matcher performs adjustment of a length of data interleaved by said interleaver.

22. (New) The radio transmission apparatus according to claim 11, further comprising a transmitter that transmits data including bits provided by said rate matcher.

23. (New) A radio transmission apparatus comprising:
an interleaver that performs interleaving of input data including a plurality of bits;
a rate matcher that repeats a part of bits interleaved by said interleaver.

24. (New) The radio transmission apparatus according to claim 23, further comprising a coder that performs error correction coding of said input data to provide error correction coded data, wherein, after said error correction coding by said coder, said interleaver performs said interleaving of the error correction coded data.

25. (New) The radio transmission apparatus according to claim 23, wherein said rate matcher repeats said part of bits at regular intervals.

26. (New) A radio reception apparatus comprising:
a receiver that receives data including a plurality of bits transmitted from the radio transmission apparatus of claim 34;
a second rate matcher that puncture bits repeated by said repeater of said radio transmission apparatus; and
a deinterleaver that performs deinterleaving of data including bits provided by said second rate matcher, in accordance with the interleaving performed in said radio transmission apparatus.

27. (New) A communication terminal apparatus comprising the radio transmission apparatus of claim 34.

28. (New) A communication terminal apparatus comprising the radio reception apparatus of claim 26.

29. (New) A base station apparatus comprising the radio transmission apparatus of claim 34.

30. (New) A base station apparatus comprising the radio reception apparatus of claim 26.

31. (New) A radio transmission method comprising:

- (a) performing interleaving of input data including a plurality of bits;
- (b) employing a rate matcher that repeats a part of bits interleaved in step (a); and
- (c) transmitting data including bits provided by said rate matcher in step (b).

32. (New) A radio reception method comprising:

- (a) receiving data including a plurality of bits transmitted by the radio transmission method of claim 31;

(b) employing a second rate matcher that punctures bits repeated by said rate matcher employed in said radio transmission method; and

(c) performing deinterleaving of data including bits provided by said second rate matcher in step (b), in accordance with the interleaving performed in said radio transmission apparatus.

33. (New) The radio transmission apparatus according to claim 23, wherein said rate matcher performs adjustment of a length of data interleaved by said interleaver.

34. (New) A radio transmission apparatus according to claim 23, further comprising a transmitter that transmits data including bits provided by said rate matcher.